

## **ABSTRACT**

The present invention is an implantable cable and a process to manufacture said implantable cable. The cable is composed of a biocompatible fluoropolymer, in which biocompatible conductor wires are embedded. The entire cable is heat treated at various stages to ensure the wires are securely embedded. The cable is then undulated to enhance its pliability and flexibility. Further treatment activates the outer surface of the cable, following which it may be encapsulated in silicone.